

REMARKS:

- 1) The Examiner is respectfully requested to acknowledge and approve the following formal matters:
 - a) the formal drawings originally filed with the application on October 30, 2001;
 - b) the foreign priority claim and receipt of the foreign Priority Document, which was filed on January 30, 2002; and
 - c) the Information Disclosure Statement that was filed on January 30, 2002.

- 2) The specification has been editorially amended.

At page 10, lines 23 to 26, blanks in the text have simply been deleted.

At page 12, lines 14 to 16, blanks in the text have simply been deleted.

At page 12, line 5, a math error has been corrected. The correct value of a thermal expansion of $0.25\mu\text{m}$ is supported in the original disclosure as follows. As disclosed at page 9, lines 18 to 20, conventional glass spacer balls have a thermal expansion coefficient of about $8 \times 10^{-6} \text{ 1/K}$. In an application with a temperature range from -40°C to $+120^{\circ}\text{C}$ (a total range of 160K), as set forth at page 12, lines 1 to 5, the thermal expansion factor for this temperature range would be given by $(8 \times 10^{-6} \text{ 1/K}) \times (160\text{K}) = 0.00128$. Then, multiplying this expansion factor by the glass ball diameter of $200\mu\text{m}$ (page 9, lines 8 to 11 and page 12, line 5), gives the total maximum thermal expansion of these conventional glass balls being about $0.25\mu\text{m}$,

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rather than 0.1 μ m as originally set forth at page 12, line 5.
Thus, the present correction does not introduce any new matter.

Entry of the amendments is respectfully requested.

- 3) In response to the Restriction Requirement, applicant hereby elects the Group I device or product claims 1 to 16, 18 and 19 for examination in this application.
- 4) The non-elected claim 17 depends from elected claim 1 and is directed to a method of making the product according to claim 1. Therefore, in the event the product claim 1 is ultimately found allowable, the dependent method-of-making claim 17 must be re-joined, considered and allowed in accordance with M.P.E.P. §821.04 and §2116.01. After allowance of the elected claims, such rejoinder and allowance of the non-elected dependent claim are respectfully requested.

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- 5) Favorable consideration and allowance of the application, including all present claims 1 to 19, are respectfully requested, MAY 07 2003

TECHNOLOGY CENTER 2800

Respectfully submitted,

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Applicant

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CERTIFICATE OF FAX TRANSMISSION:

I hereby certify that this correspondence with all indicated enclosures is being transmitted by telefax to (703) 872-9318 on the date indicated below, and is addressed to: COMMISSIONER FOR PATENTS, P. O. BOX 1450, ALEXANDRIA, VA 22313-1450.

Walter F. Fasse 5/7/03
Name: Walter F. Fasse - Date: May 7, 2003

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